

FIG. - 1

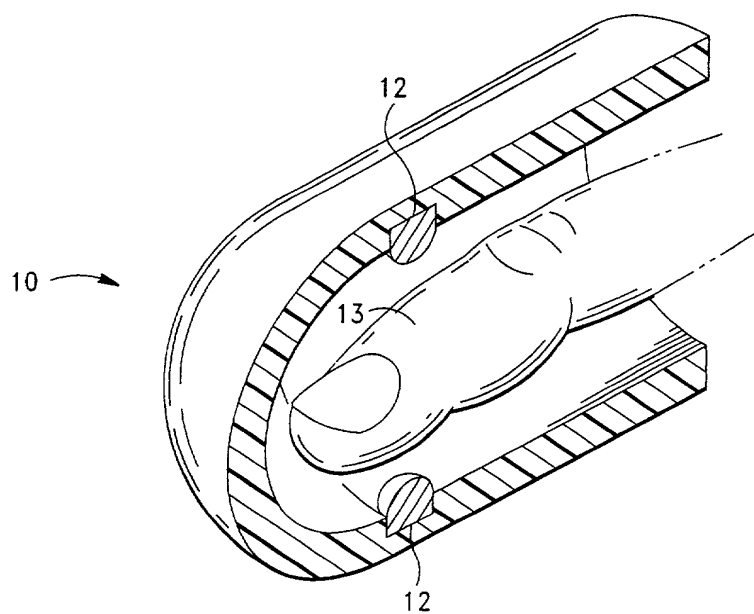
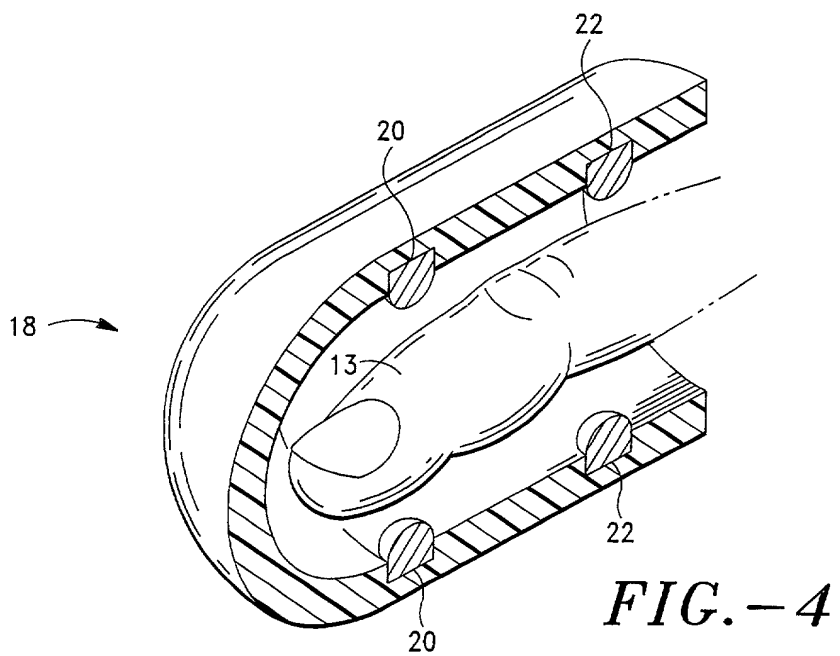
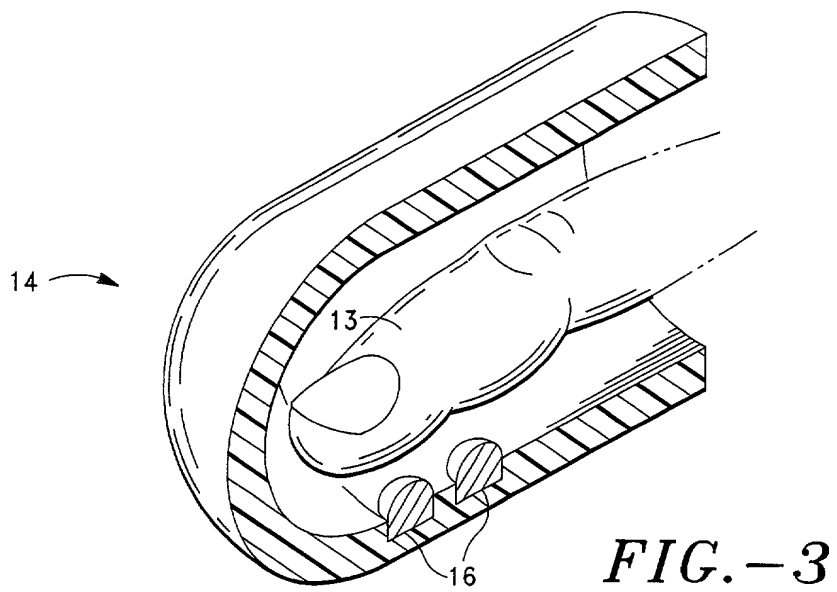


FIG. - 2



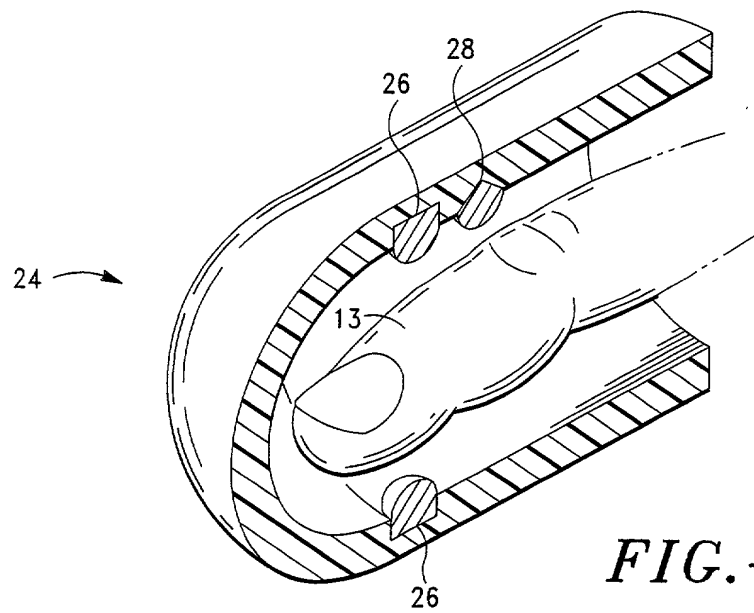


FIG.-5

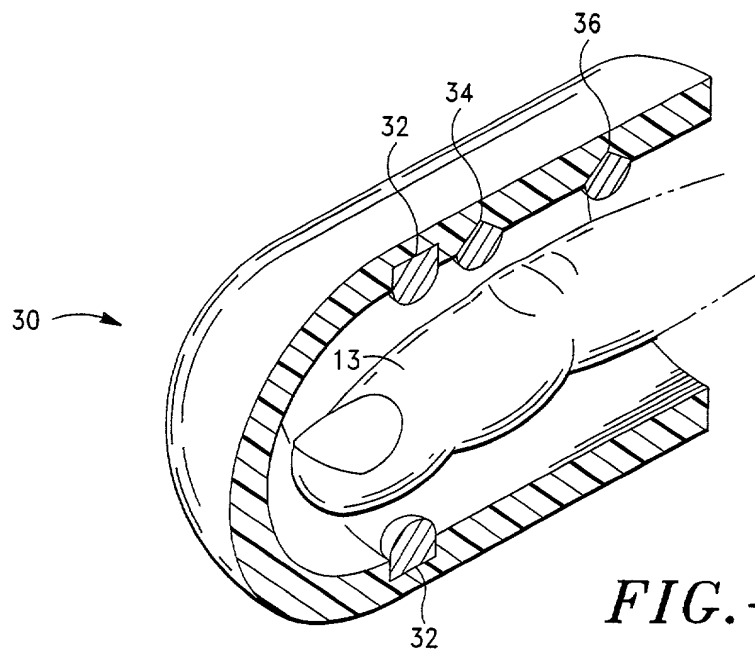
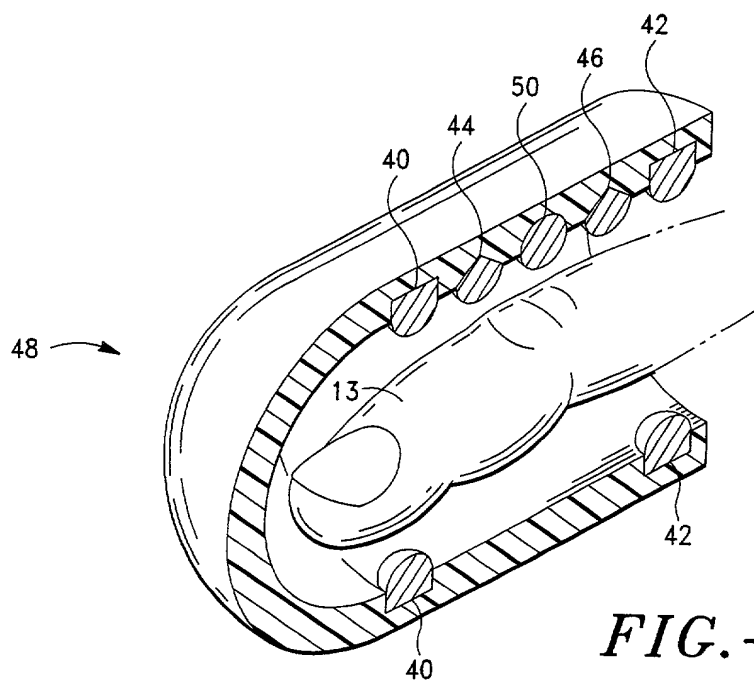
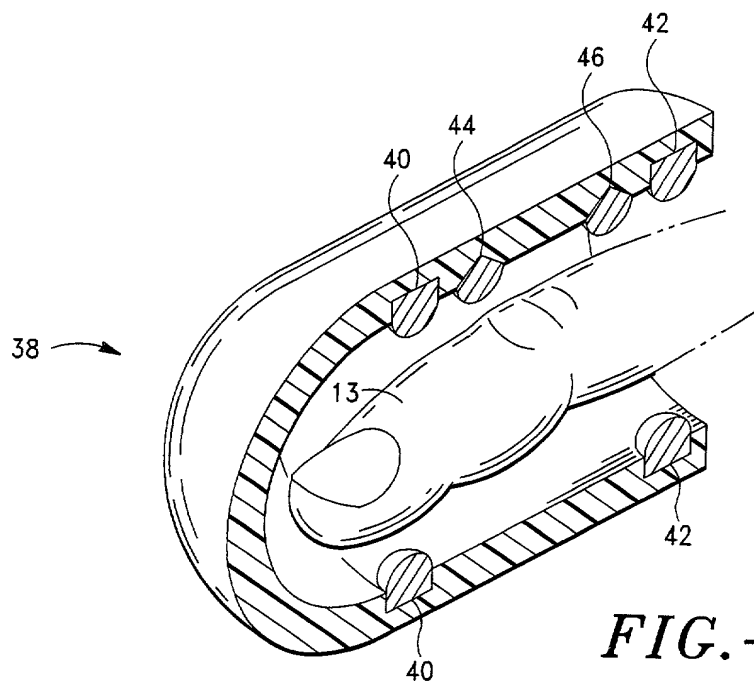


FIG.-6



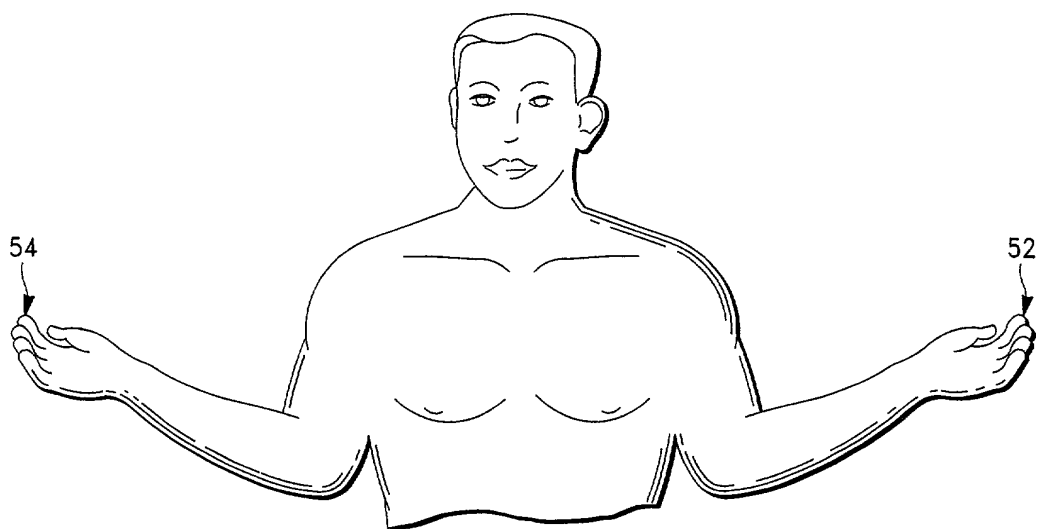


FIG. - 9

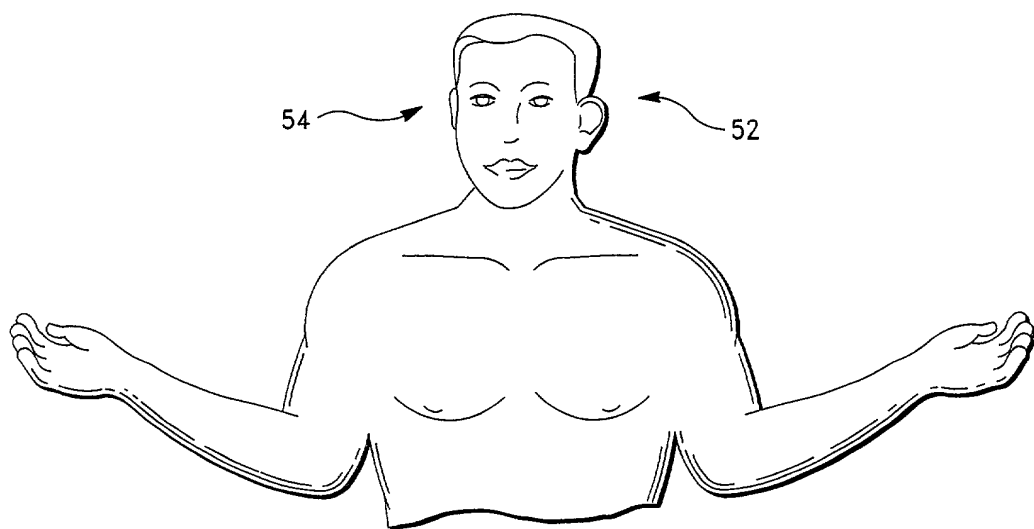


FIG. - 10

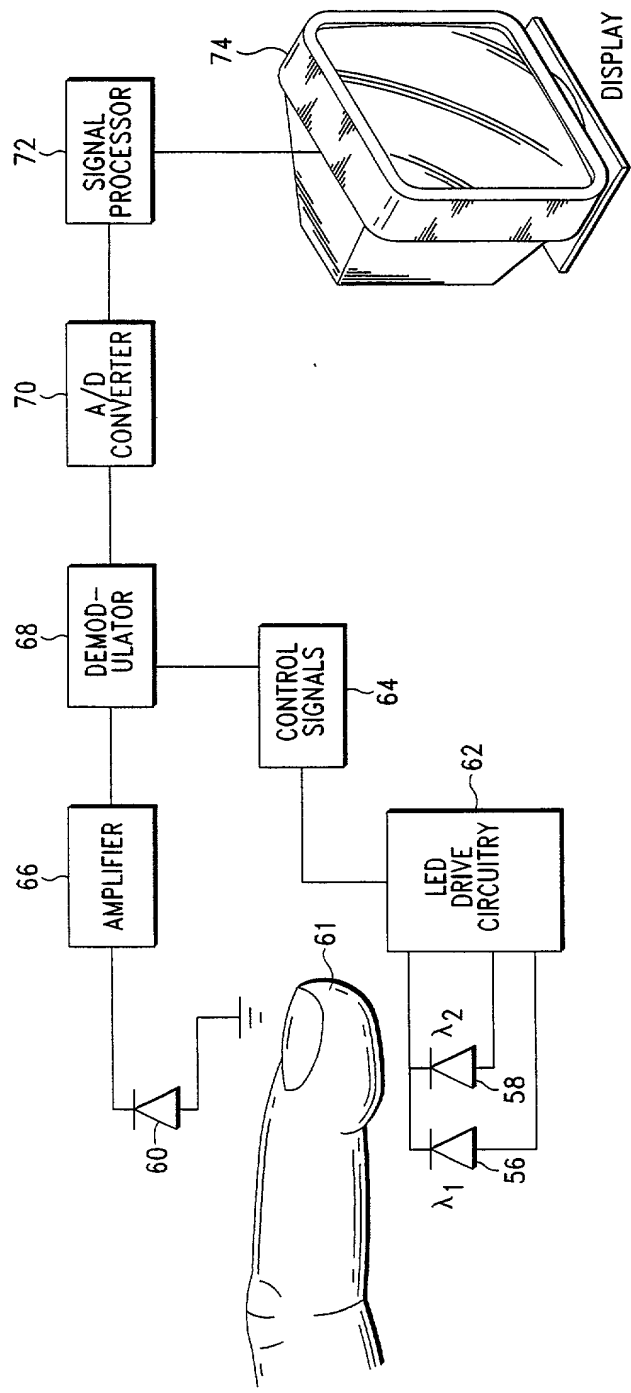


FIG.-11

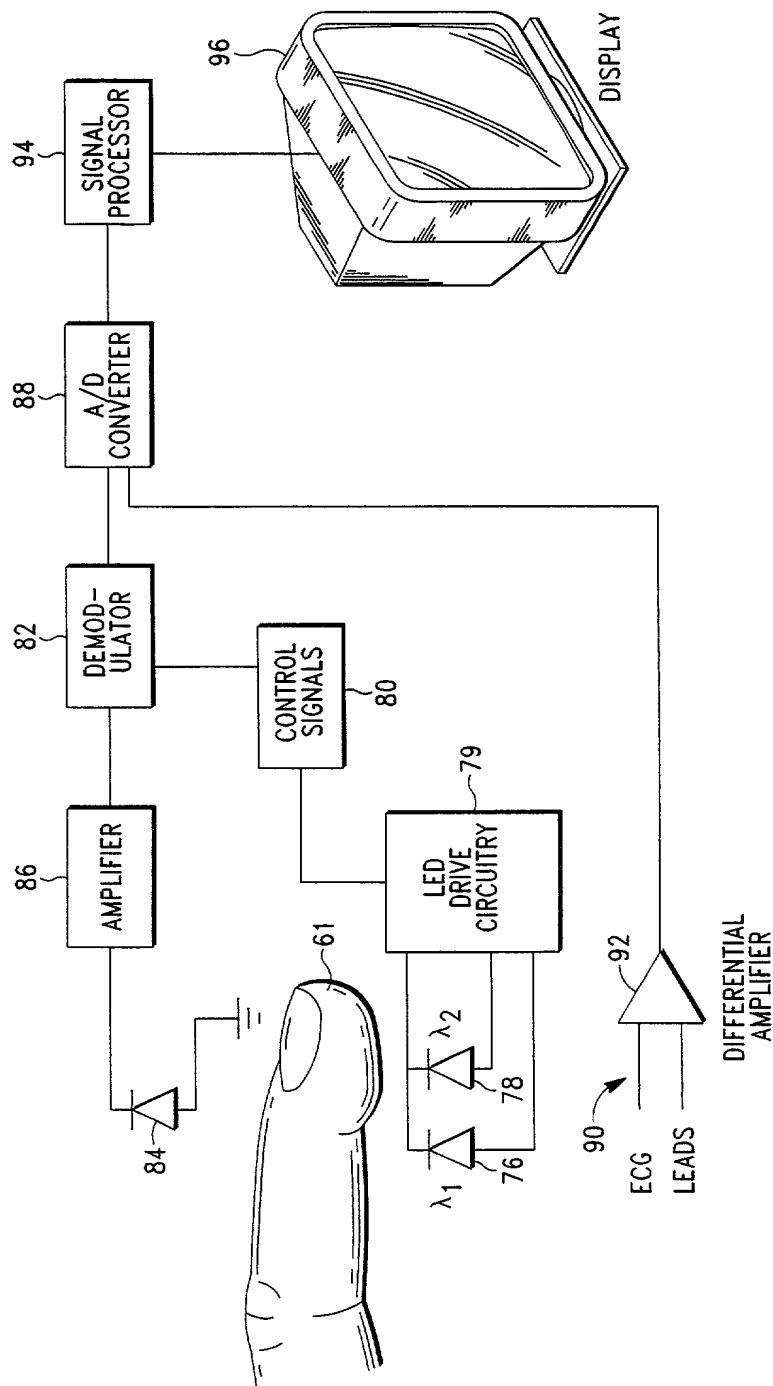


FIG.-12

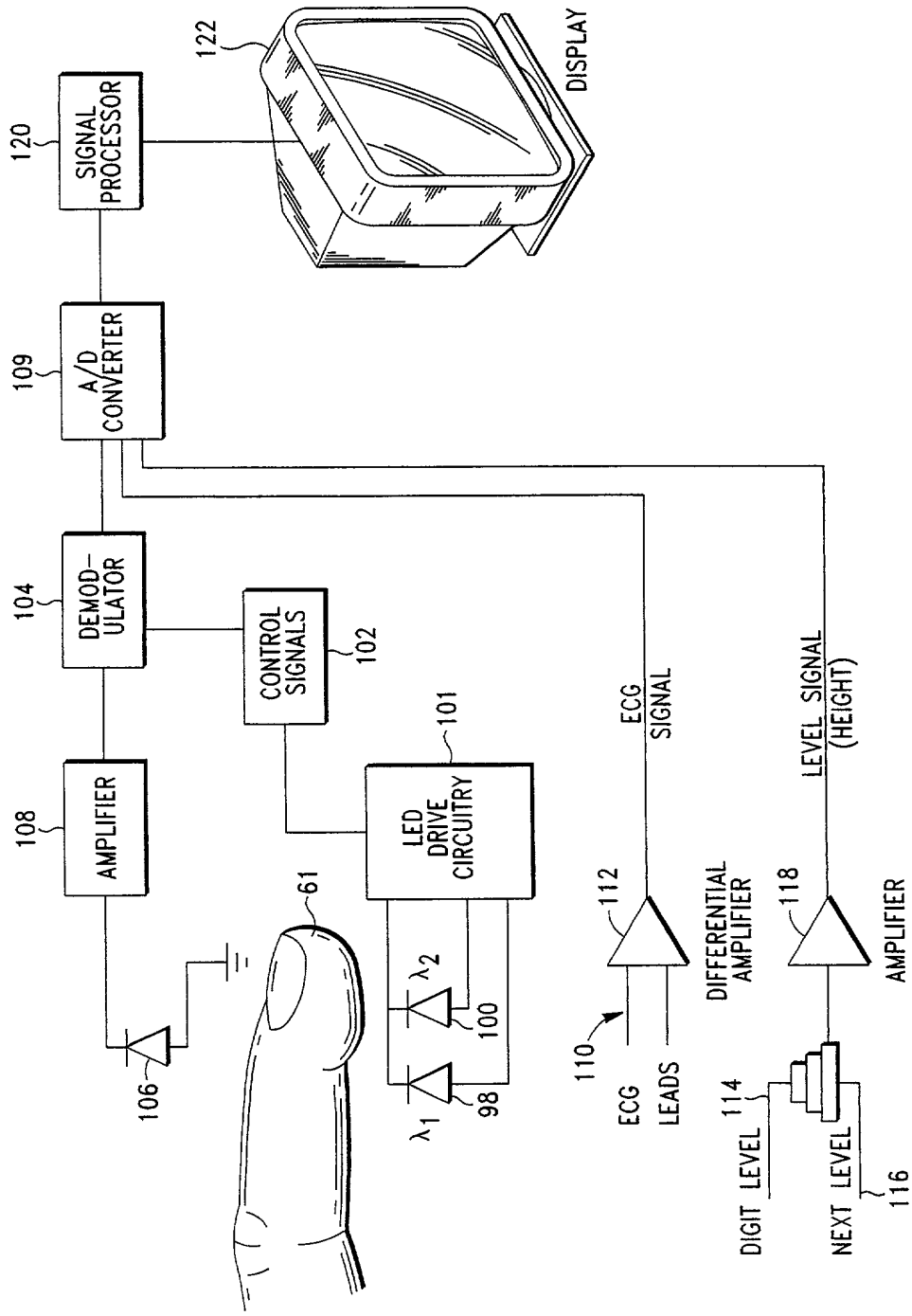


FIG.-13

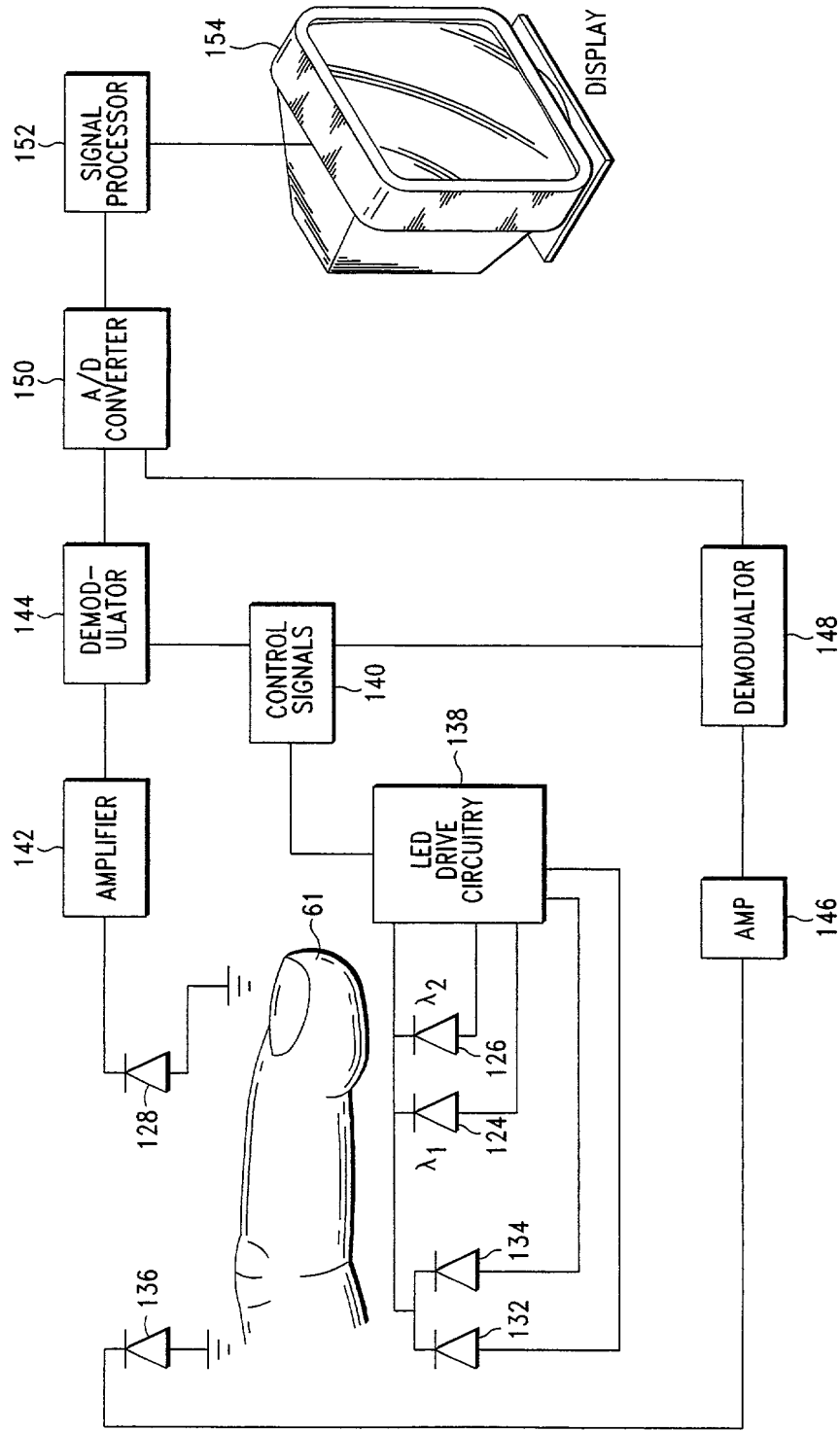


FIG.-14

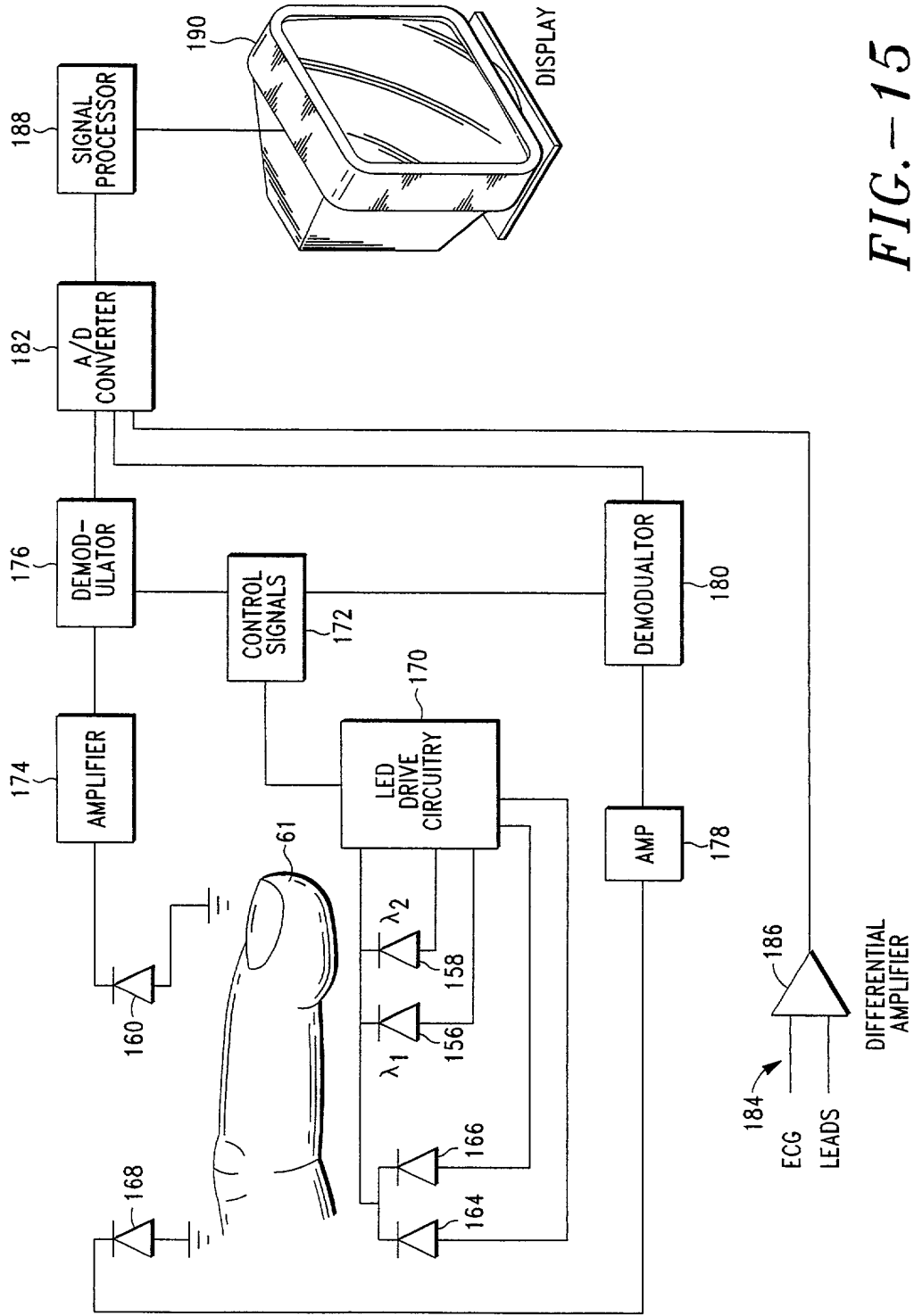


FIG.-15

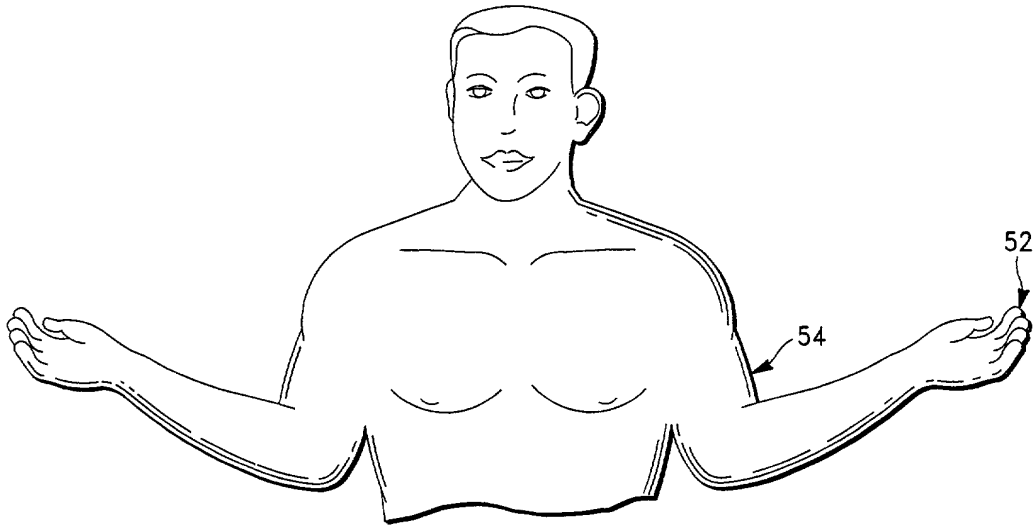


FIG. - 16

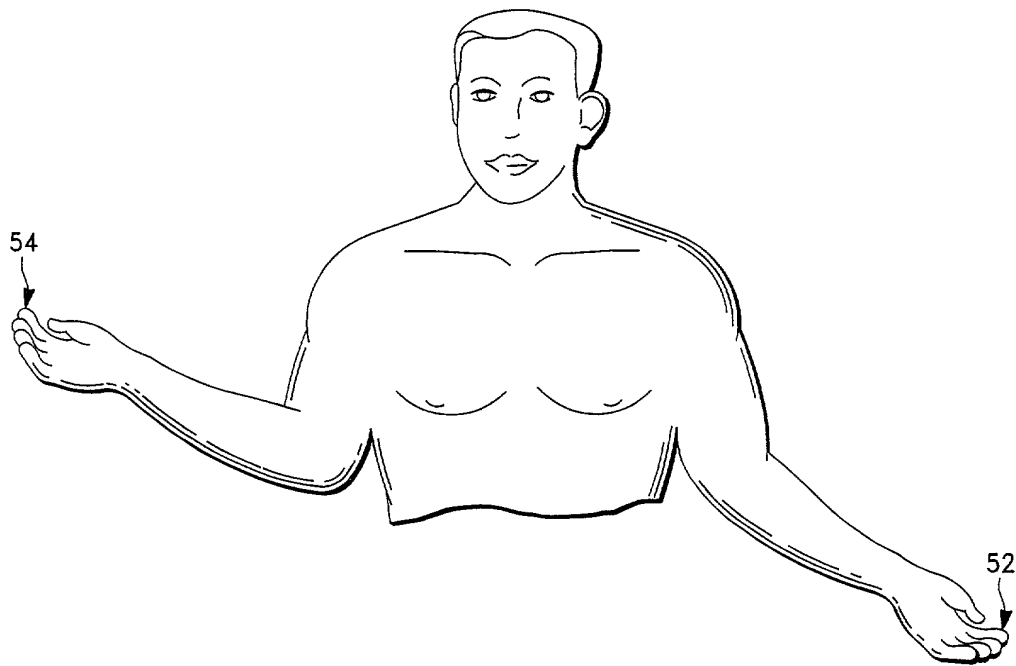


FIG. - 19

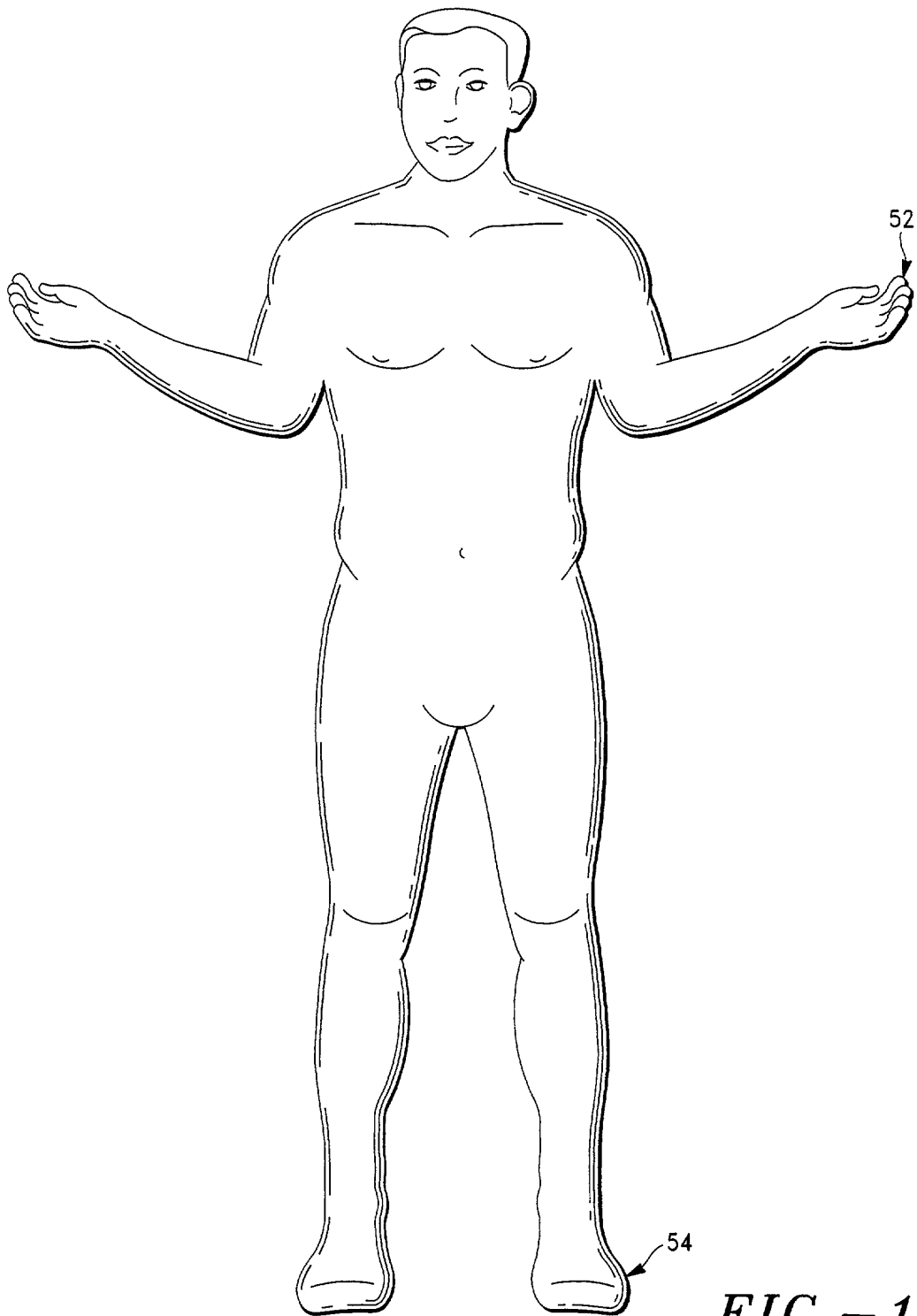


FIG.—17

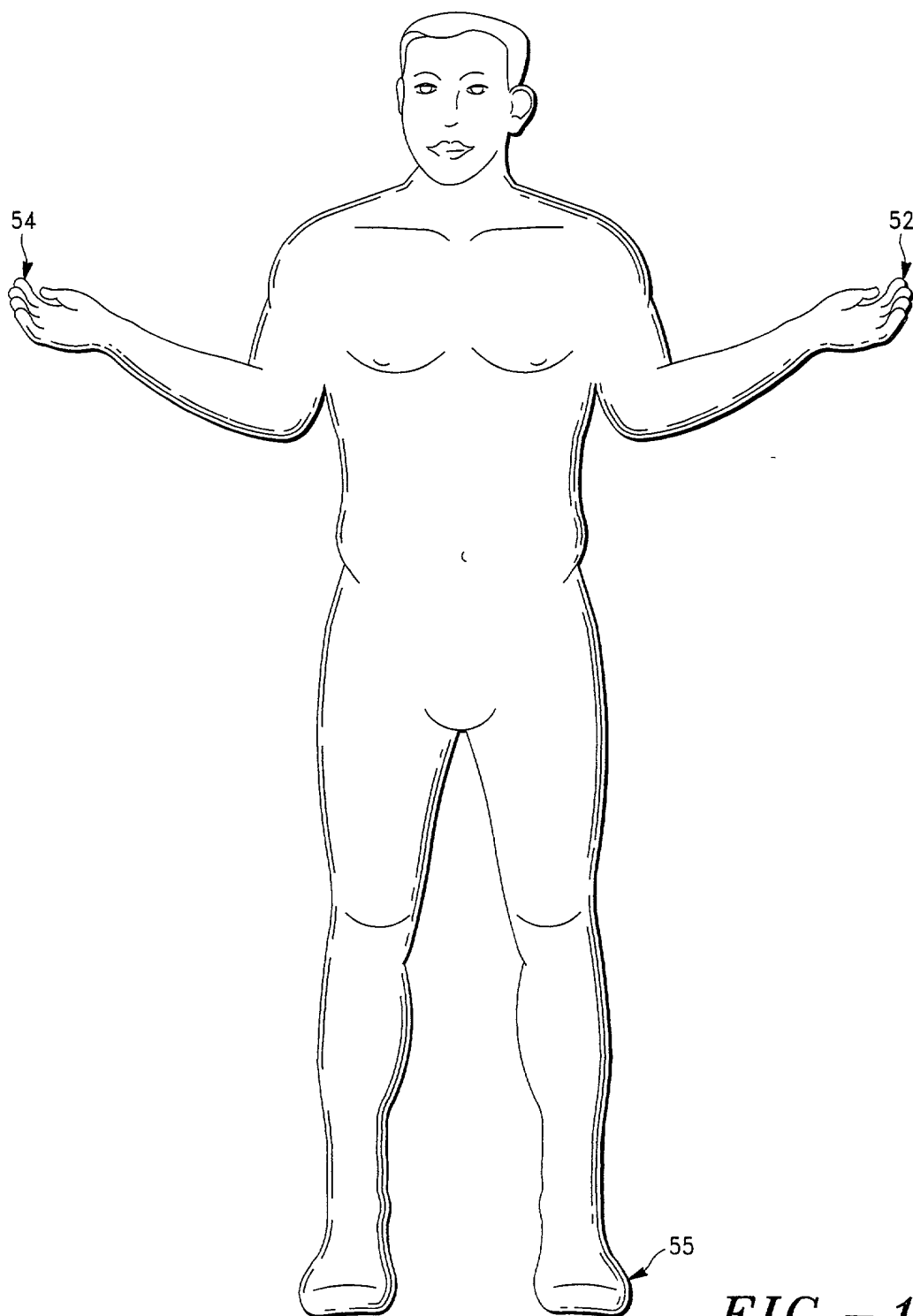


FIG.-18

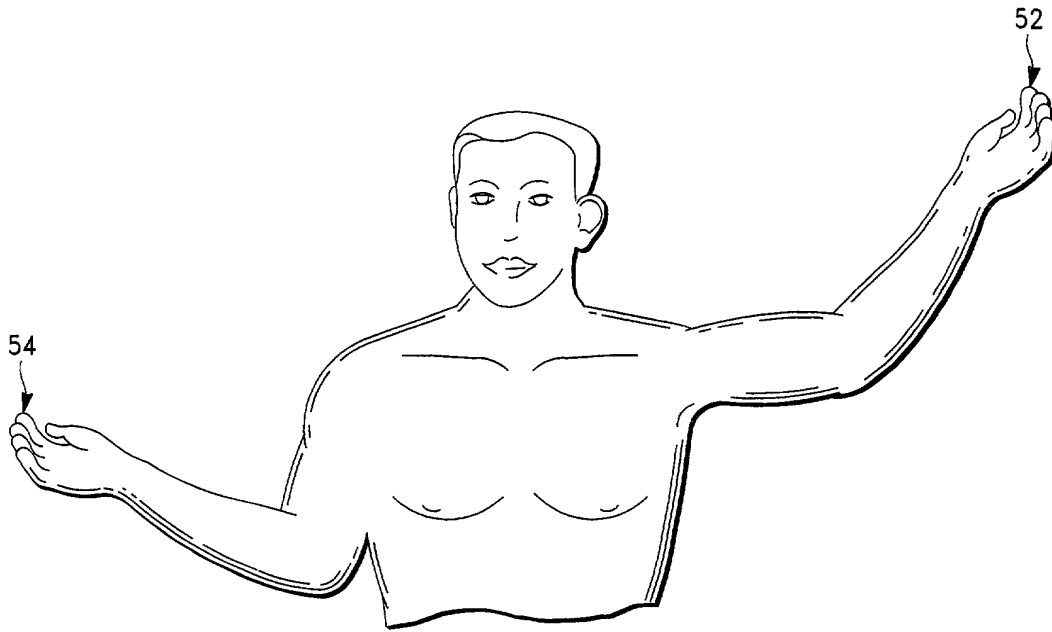


FIG.-20

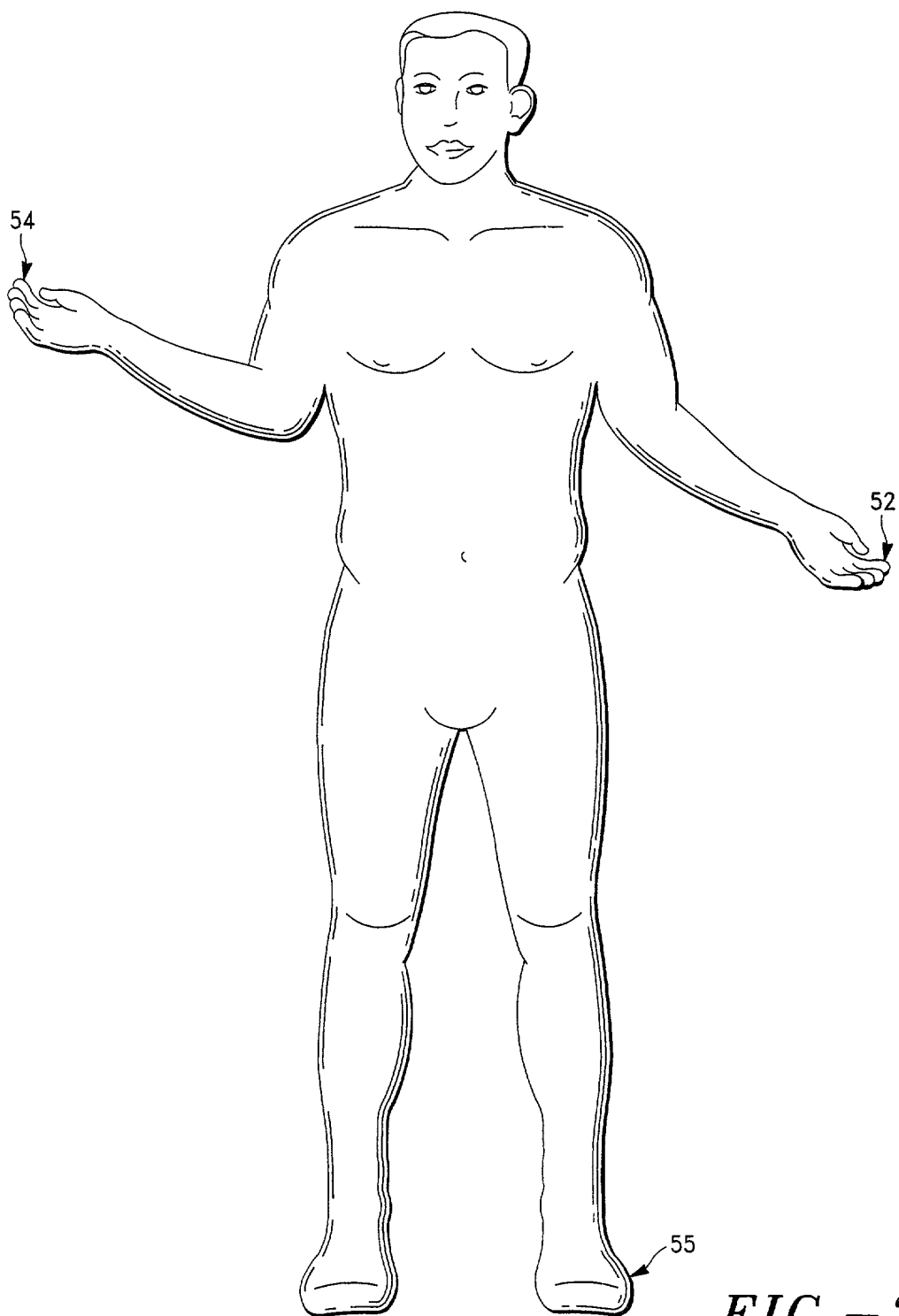


FIG.-21

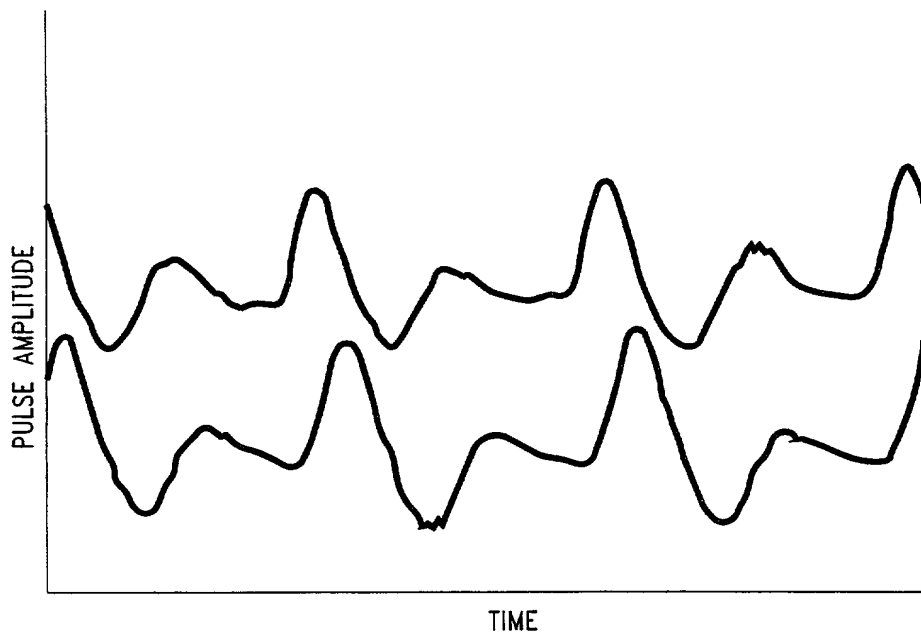


FIG.-22

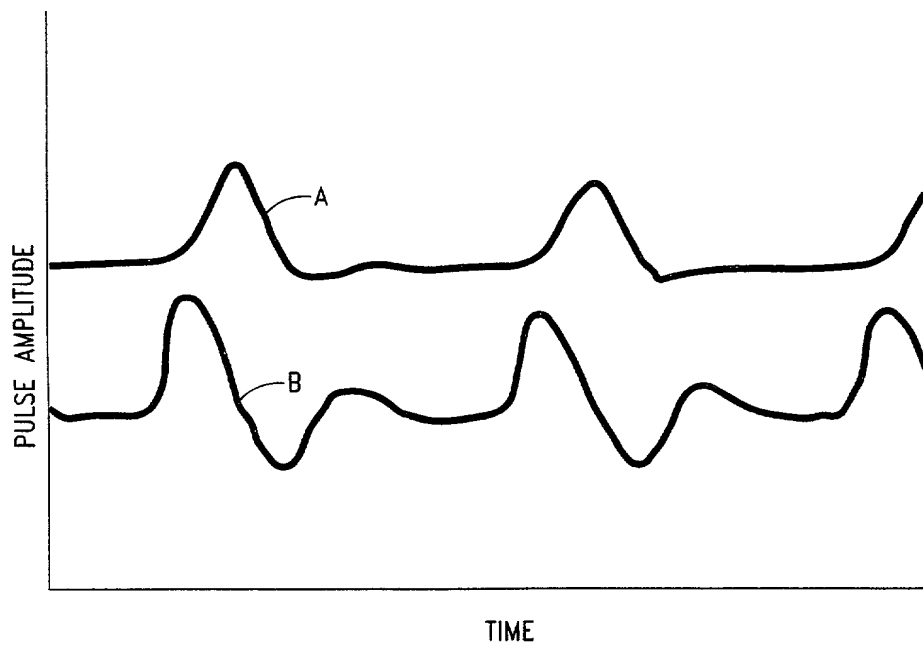


FIG.-23

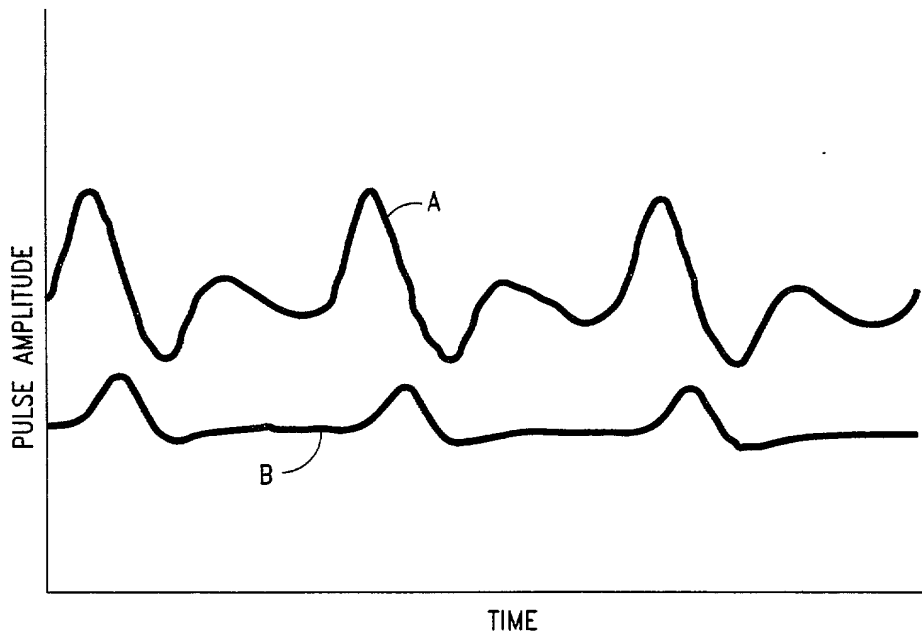


FIG.-24

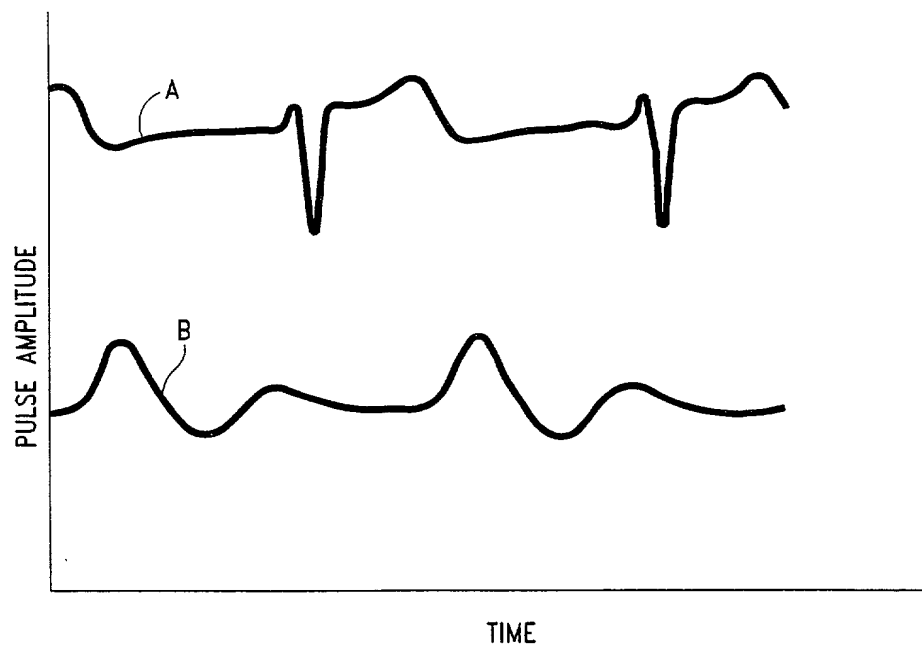


FIG.-25

FIG.-27

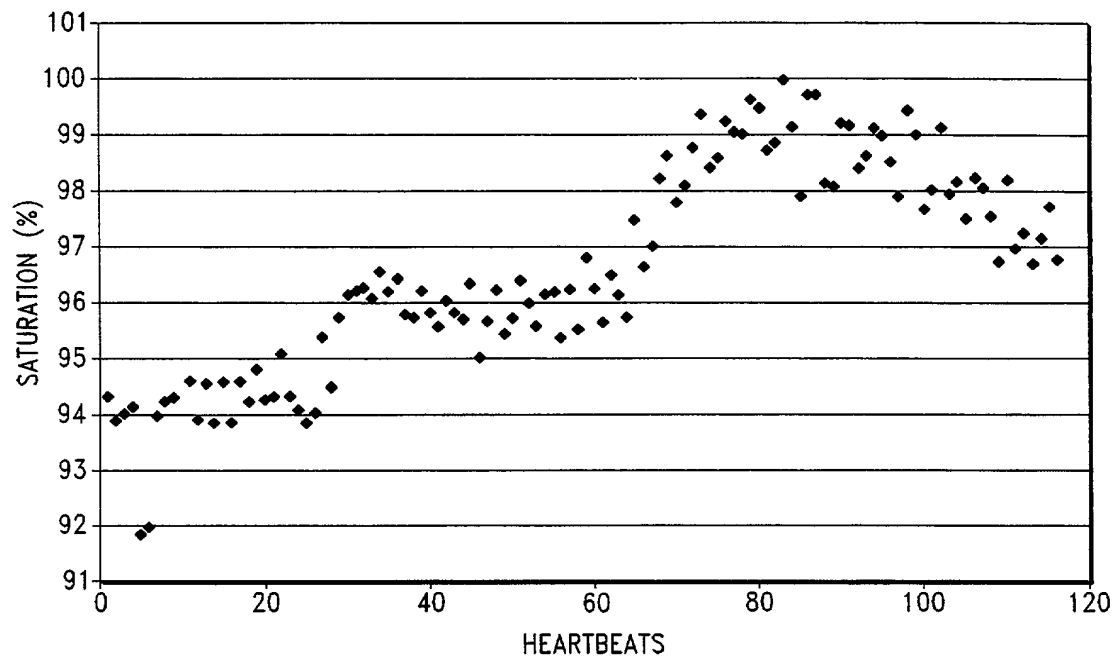


FIG.-28

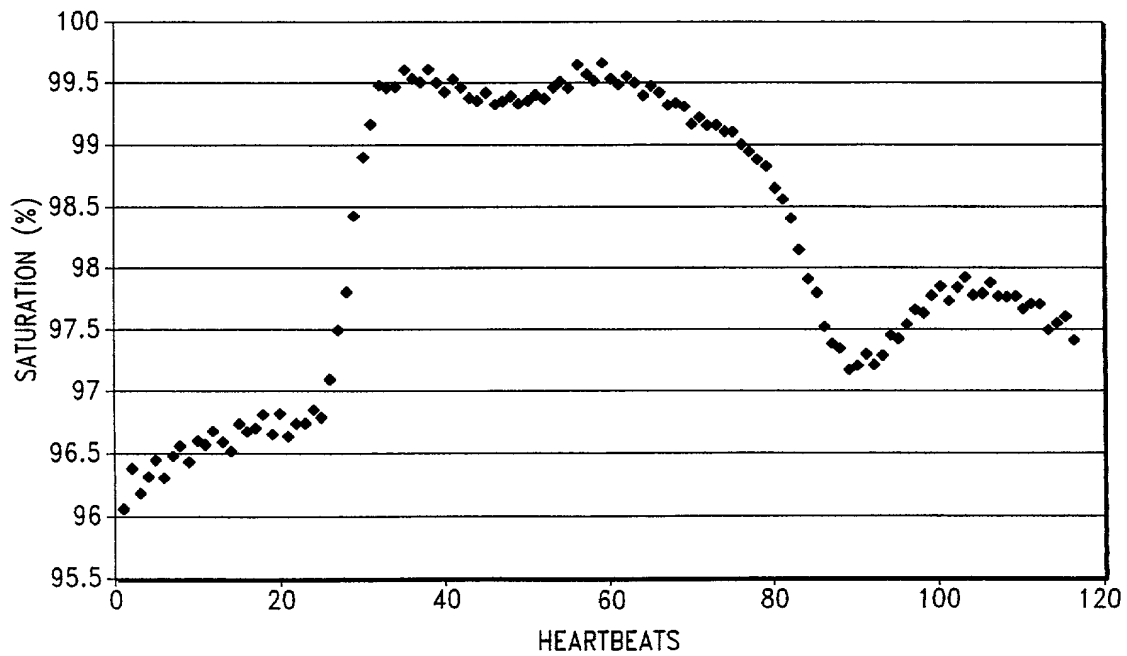


FIG.-29

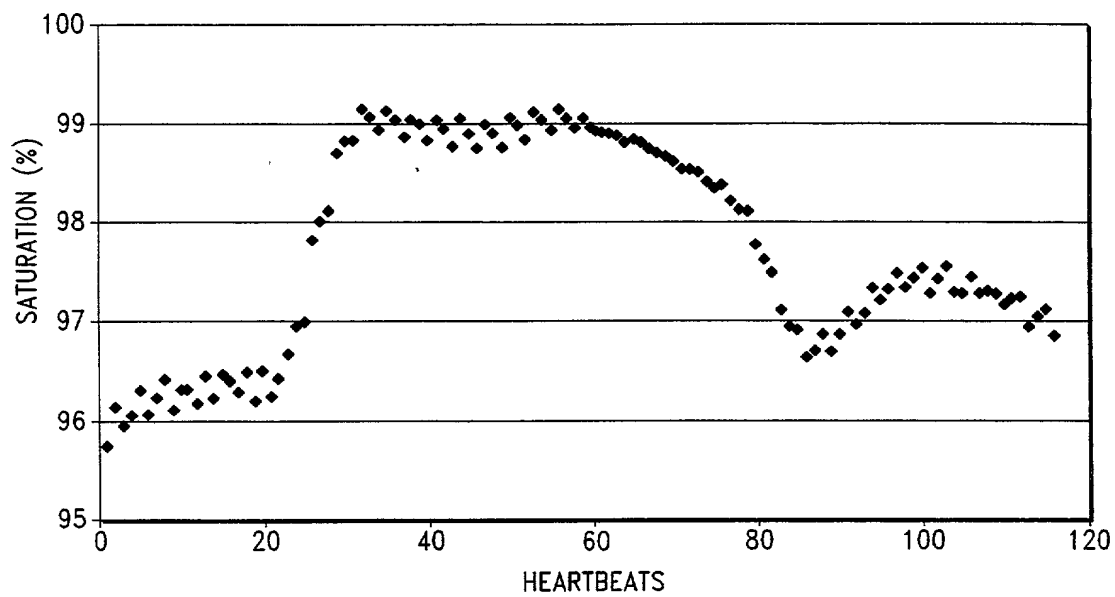


FIG.-30

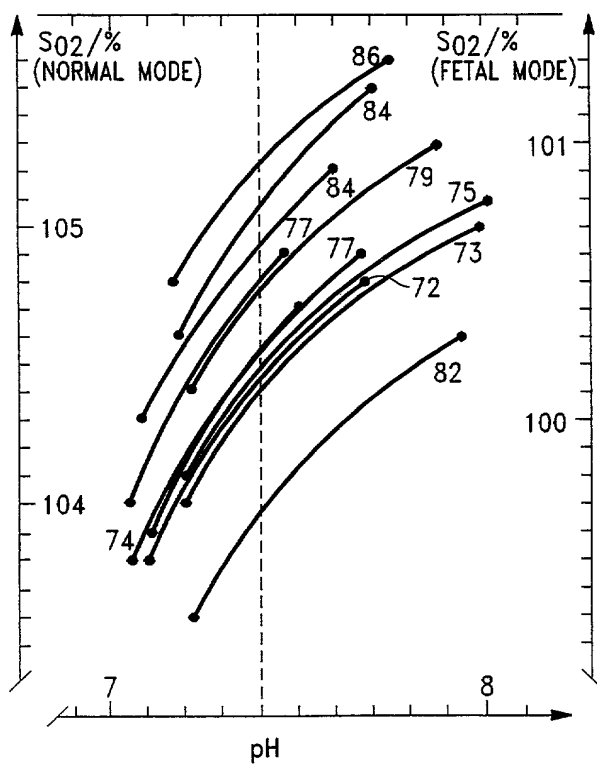


FIG.-31

The graph plots the Extinction Coefficient (Y-axis, logarithmic scale from 0.001 to 0.1) against Wavelength λ (nm) (X-axis, linear scale from 600 to 1000 nm). Two vertical lines divide the graph into 'RED' (600-920 nm) and 'INFRARED' (920-1000 nm) regions. Five curves are shown: Methemoglobin (dashed line), Oxyhemoglobin (dotted line), Reduced Hemoglobin (solid line), Carboxyhemoglobin (dash-dot line), and another solid line (likely deoxyhemoglobin) which is not explicitly labeled but shows a prominent peak in the red region.

| Wavelength (nm) | Methemoglobin | Oxyhemoglobin | Reduced Hemoglobin | Carboxyhemoglobin | Deoxyhemoglobin (unlabeled) |
|-----------------|---------------|---------------|--------------------|-------------------|-----------------------------|
| 600 | 0.025 | 0.008 | 0.020 | 0.005 | 0.030 |
| 640 | 0.040 | 0.005 | 0.015 | 0.003 | 0.040 |
| 680 | 0.015 | 0.004 | 0.010 | 0.002 | 0.008 |
| 720 | 0.012 | 0.004 | 0.008 | 0.0015 | 0.006 |
| 760 | 0.015 | 0.005 | 0.010 | 0.0012 | 0.008 |
| 800 | 0.025 | 0.008 | 0.008 | 0.001 | 0.006 |
| 840 | 0.035 | 0.009 | 0.008 | 0.0008 | 0.005 |
| 880 | 0.045 | 0.010 | 0.009 | 0.0006 | 0.004 |
| 920 | 0.050 | 0.011 | 0.008 | 0.0005 | 0.003 |
| 960 | 0.048 | 0.010 | 0.006 | - | - |
| 1000 | 0.045 | 0.008 | 0.003 | - | - |

FIG.-34

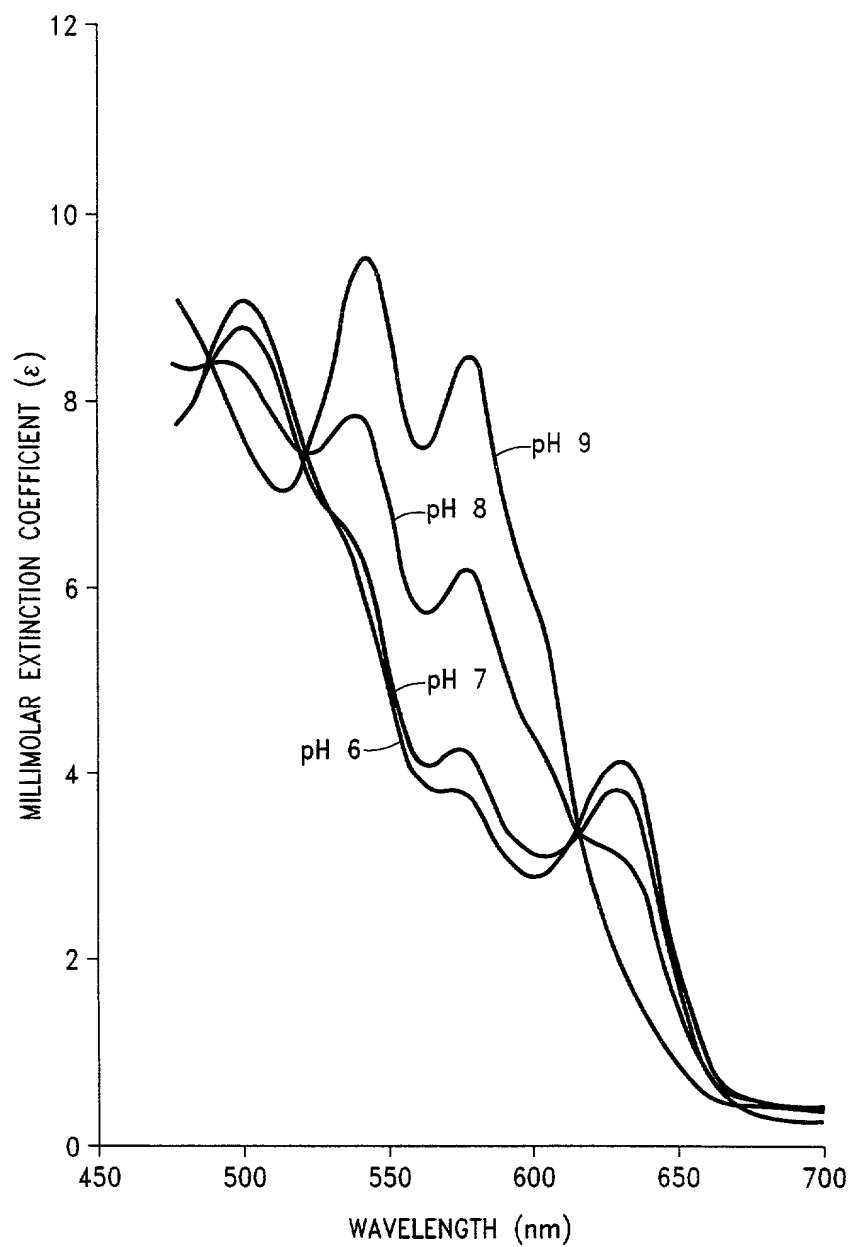


FIG.-35

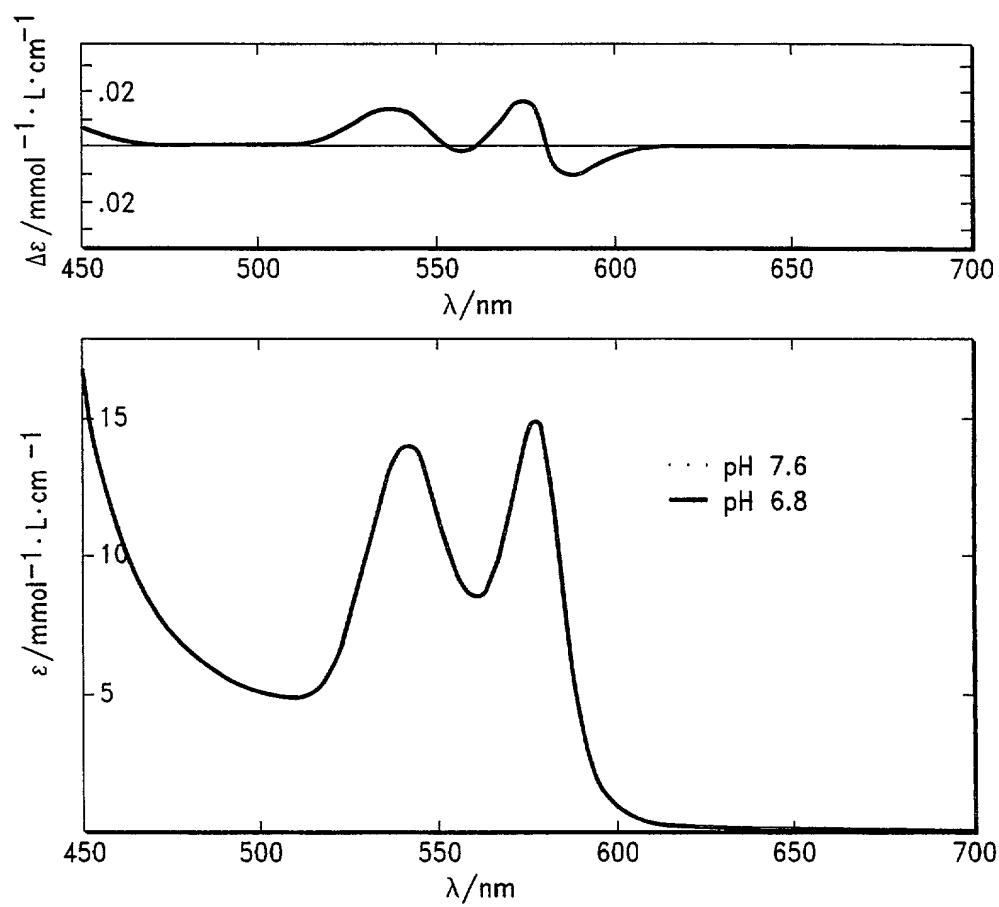


FIG.-36

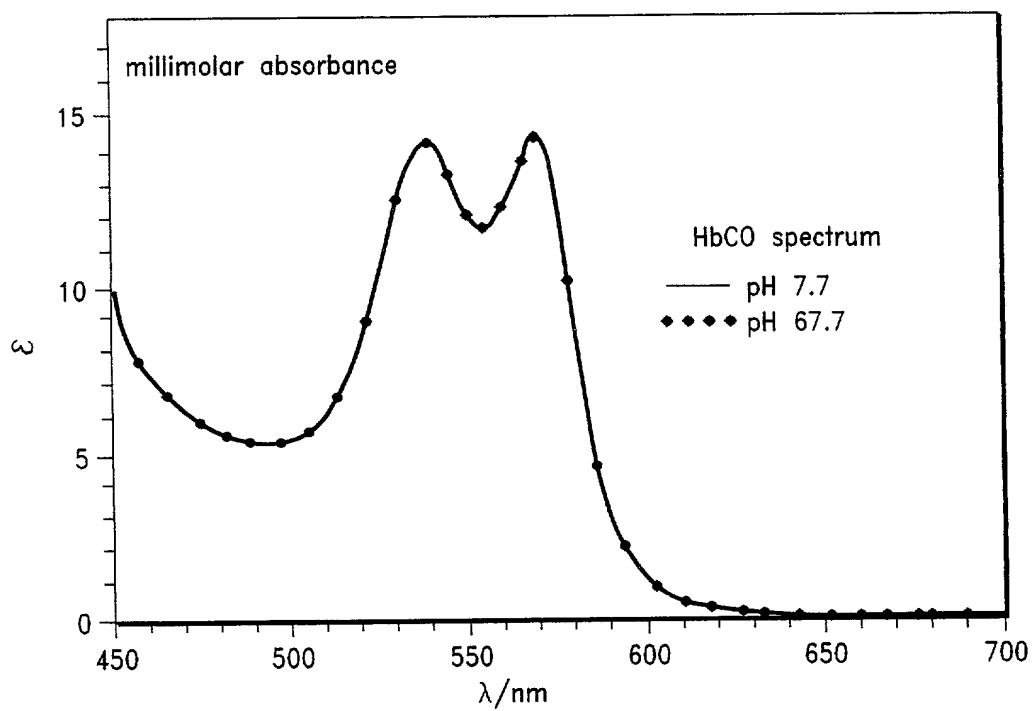
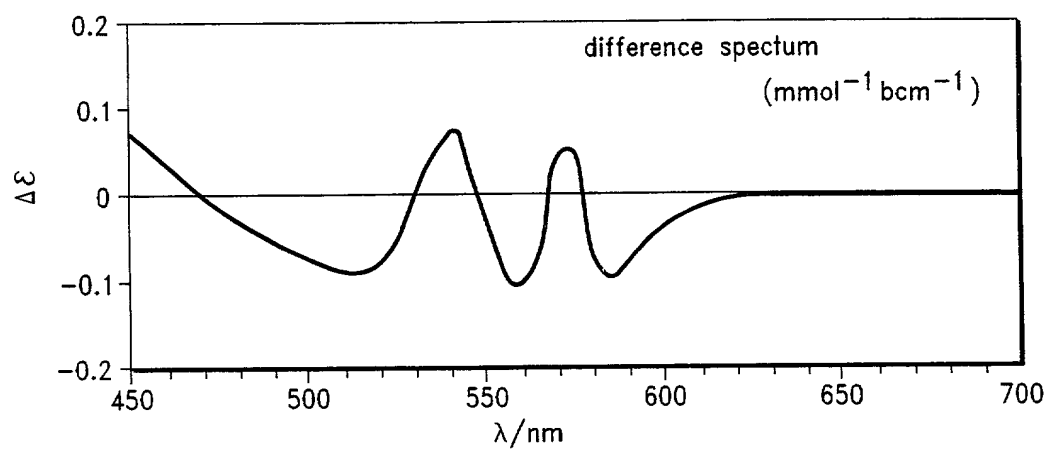


FIG.-37

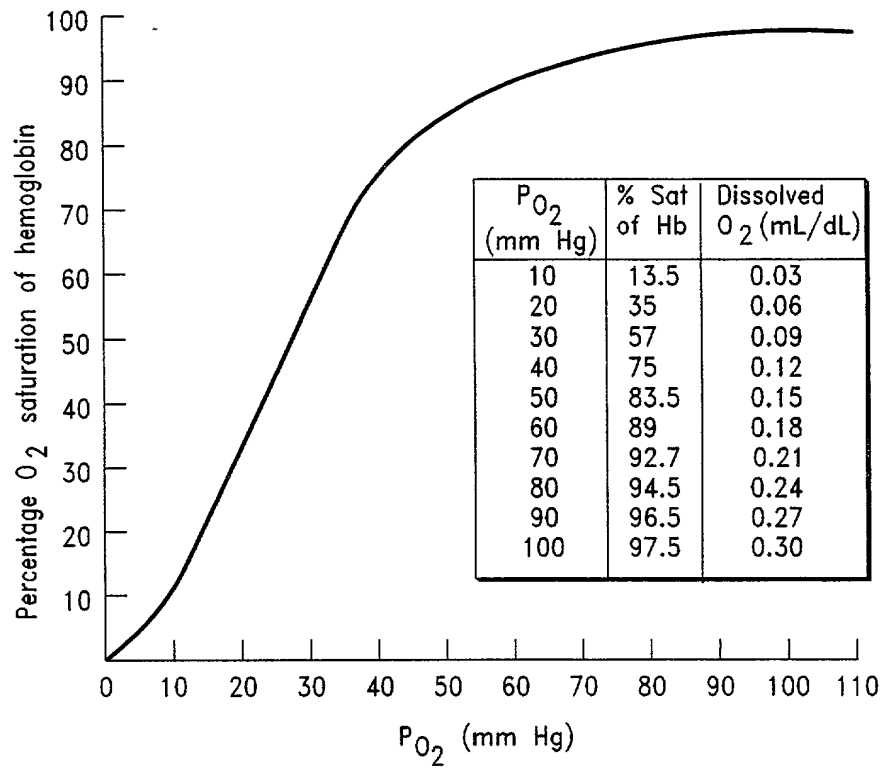


FIG.-38

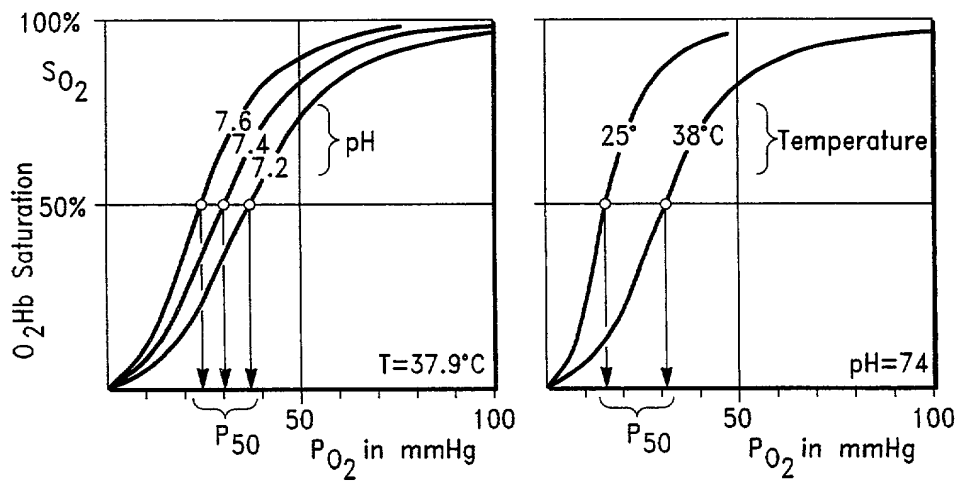


FIG.-39

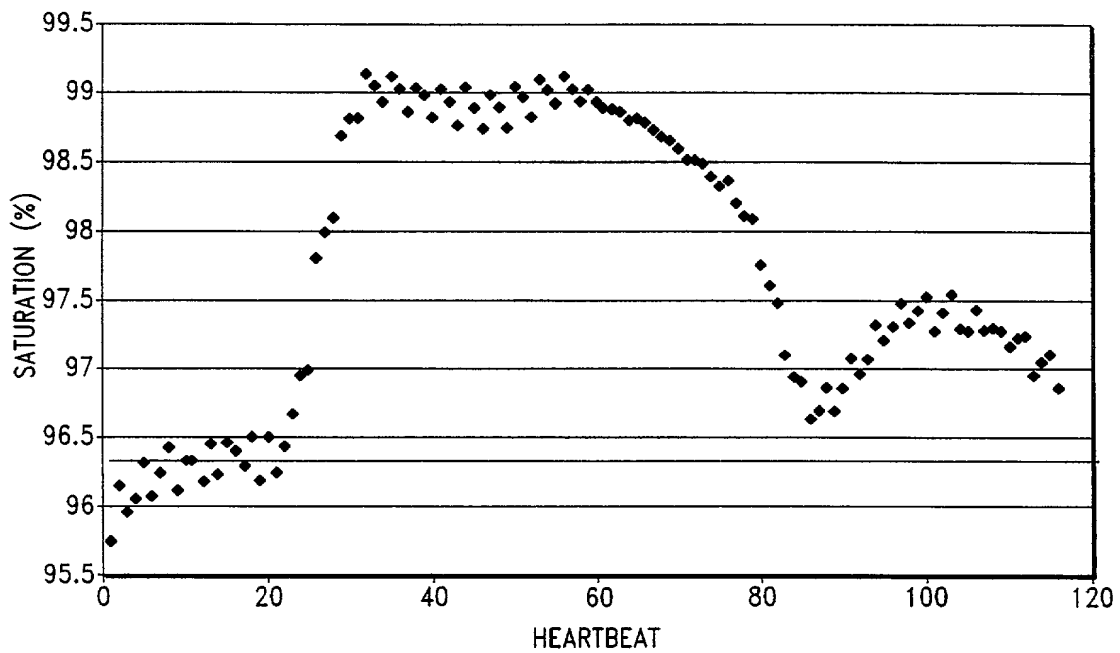


FIG.-40

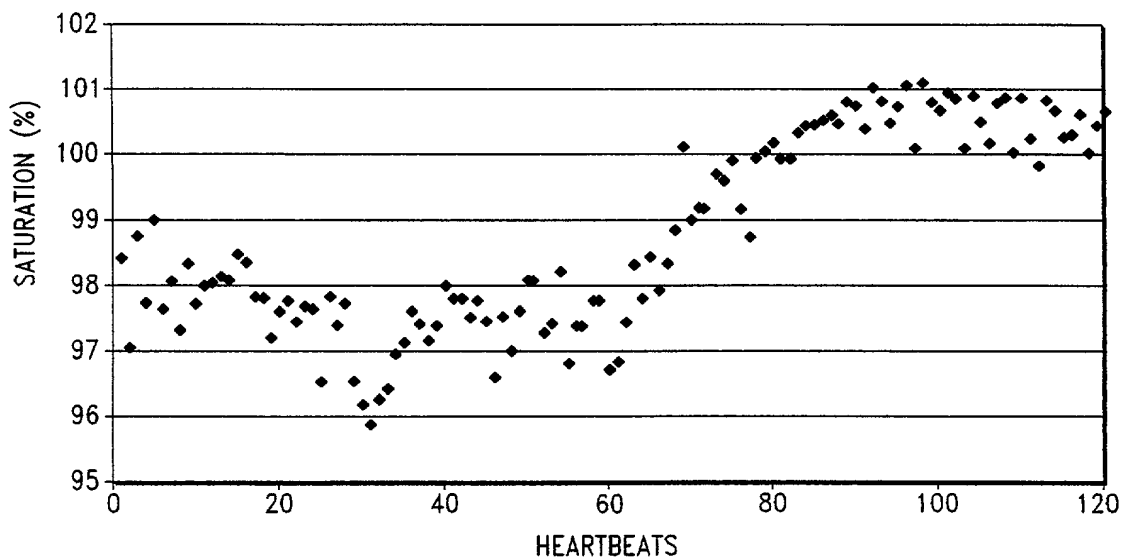


FIG.-41